

## ABSTRACT

A compensation method for detecting the seeking speed of an optical disk drive involves the following steps. First, a TE signal is converted into a TEZC signal, or an RFRP signal is converted into an RFZC signal. Then, take the average of the respective pulse widths of an upper waveform and an adjoining lower waveform of the TEZC signal or the RFZC signal to acquire the recovered TEZC signal or RFZC signal wherein both the upper waveform and the lower waveform are decided by a slice levels.